Title (en)

METHODS AND ARRANGEMENTS FOR MEMORY-EFFICIENT ESTIMATION OF NOISE FLOOR

Title (de)

VERFAHREN UND ANORDNUNGEN ZUR SPEICHEREFFIZIENTEN SCHÄTZUNG DES GRUNDRAUSCHENS

Title (fr)

PROCÉDÉS ET AGENCEMENTS D'ESTIMATION DE BRUIT DE FOND À FAIBLE CONSOMMATION DE MÉMOIRE

Publication

EP 2258061 A1 20101208 (EN)

Application

EP 08724250 A 20080318

Priority

SE 2008050303 W 20080318

Abstract (en)

[origin: WO2009116905A1] The present invention relates to a method and arrangement in a wireless communication system, e.g. an evolved UMTS Terrestrial Radio Access Network, for improved scheduling and admission control of the uplink by providing an improved determining of power-related quantities, e.g. neighbour cell interference levels, for specific tones and providing more accurate recursive estimation of noise-related quantities, e.g. noise floor power estimates, for specific tones. The method and arrangement obtains a neighbour cell interference measure for each subset of tones from at least a noise floor measure for each subset of tones based on combined power quantities from the total uplink power per subset of tones and dividing said noise floor measure into sub noise floor measures for each subset of tones, said dividing dependent on the bandwidth of each subset of tones.

IPC 8 full level

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Citation (search report)

See references of WO 2009116905A1

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